# CR-ERNS Report -- Addendum to Form R

This Form serves as an addendum to EPCRA Section 313 Toxic Release Inventory (TRI) Form R. This along with EPCRA 313 Form R will provide EPA with the required information for reporting continuous releases.

Type of Report: Indicate below the type of report you are submitting.
Initial First Written Notification of a Change to Initial Report Report Report Written Report Written Report Follow-up Report R
Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submtted information is accurate and current to the best of my knowledge.
Michael L. Menne, VP Environmental Services  Name and Position
01/04/2010 Jn A Physica
Date Signature
Population Density: Choose the range that describes the population density within a one-mile radius of your facility.
0 - 50 people 101 - 500 people Over 1000 people
✓ 51-100 people 501-1000 people
Sensitive Populations and Ecosystems: Indicate all sensitive populations and ecosystems within one-mile radius include the distance and direction from the facility.
Sensitive Population or Ecosystems Distance and direction from facility
Potential Bald Eagle habitat Within 1 mile surrounding facility
Potential Eastern Blue-Eyed Grass habitat  Within 1 mile surrounding facility

# CR-ERNS Report -- Addendum to Form R

CR-ERNS #: 626033

**Source Information**: For EACH source of a release from your facility, provide the following information on a SEPARATE sheet.

Name	of Sour	ce: stack				
			n this source is ei		cipated, intermittent _	
Patterr release	of the Receivantes	elease: Identify l	pelow how you e	stablished th	ne pattern of release an	d calculated
	_ Past rele	ease data	Knowledge operations a		y's Engir	neering Estimates
	AP-42		Best profess	ional judger	nent Other	r (explain)
	Air If relea	se is to air, pleas	oy the release from Surface se indicate stack l	e Water height OR s	Soil or C	ise.
Surface Water	of the v Name of If strea	vater body: of water body m:	. Stream Order	OR	type and specific infor  Average	
Soil or Ground Wa			Surface area (ac) e of closest water		Average	Depth (m)
Hazardou Name of H Substance:	Iazardous	ce Information: CASRN#	Upper Bound (in lbs. or l	Lower Bound (g per day)	Number of Days Release Occurs (per year)	Months of the Release
Hydrochloric Hydrofluoric		7647-01-0 7664-39-3	21,344 1,218	64 510	320 320	Jan. thru Dec. Jan. thru Dec.
Sulfuric Ac	id	7664-93-9	5,184	104	320	Jan. thru Dec.

SECTION I: GENE INFO	RAL RMATION		CR-ERNS	Number:	626,033
Date of Initial Release	Ongoing		Date of Initia	al Call to N	RC: 10-14-2002
	t from the dro ype of report t ubmitting	*	ritten Notificatio	on of a Char	nge to Follow-up Report
and rate under the definiti best of my knowledge.	ons in 40 CFR 3			nd information	ontimious and stable in quantity is accurate and current to the Rands O'Rolf
Part A. Facility or V		ation  ffeen Power Station	2		
Person in Charge of Facility or Vessel	Name Phone Number	Randy O'Keefe +1 (217) 534-	Posi	L	aging Director
Facility Address or Vessel Port of Registration		CIPS Lane Sta		County e 62017	Montgomery
Dun and Bradstre	et Number fo	r Facility 157,9	012,242		
Facility/Vessel Location	Latitude Deg	39 Min 3	Sec 31	Vesse	l LORAN Coordinates
NOTE: Latitude/Longitude in and http://www.census.gov/ge	Longitude Deg formation can be ob- to/landview/. Do not	89 Min 24 tained at the following was P.O. Box, Rural Ro	Sec 11 vebsites: http://www.sau.oue or Mailing Address.	sig.net/maps/lat-lo	ong-finder.htm. http://earth.google.com ation only.
Part B. Population I	nformation				
Population Density	describes the	•	st, the range tha sity within a one r vessel.	<b>I</b>	persons
Sensitive Populations and	(e.g., elementary	e Populations or schools, hospitals, re or wetlands)	Ecosystems firement communities	1	Distance and Direction from facility, if Known
Ecosystems within One-Mile Radius	None				

SECTION II: SOURCE INFORMATION	CR-ERNS Number: 626,033
Part A: Basis for Asserting the Release is Continue For EACH source of a release of a hazardous substa the following information on a SEPARATE sheet.	
Name of Source: Coffeen Power Station - Unit 1 St	ack
1. Indicate whether the release from this source is either	
	routine, anticipated, intermittent & incidental to
Note that unanticipated events, such as spills, pipe rugaccidents, do not qualify for reduced reporting under not incidental to normal operations and, by definition sufficiently predictable or regular to be considered sta	CERCLA section 103(f)(2). Unanticipated events are are not continuous or anticipated, and are not
2. Provide a brief statement describing the basis for stat If malfunction, describe the malfunction and explain continuous and stable in quantity and rate given the n	ing that the release is continuous and stable in quantity and rate. why the release from the malfunction should be considered ote above.
During the combustion process, the nitrogen that is presenthe combustion air combine to form NOx. Prior to being relarge catalyst where the NOx reacts with the catalyst and a Selective catalytic reduction removes between 80 and 90 p power plant.	t naturally in the coal, and the nitrogen and oxygen present in leased to the atmosphere, the exhaust gas is passed through a phydrous ammonia and is converted to nitrogen and water. ercent of the NOx that is in the exhaust gas of a coal-fired
3. Identify below how you established the pattern or rel	ease and calculated release estimates.
	☐ Engineering estimate ☐ Best Professional judgment
Other -	

SECTION II: SOURCE INFORMATION	CR-ERNS Number: 626,033
Part A: Basis for Asserting the Release is Con For EACH source of a release of a hazardous s the following information on a SEPARATE sho	substance or mixture from your facility or vessel, provide
Name of Source: Coffeen Power Station - U	Init 2 Stack
1. Indicate whether the release from this source is	dia and an and an
	OR routine, anticipated, intermittent & incidental to
accidents, do not qualify for reduced reporting t	ipe ruptures, equipment failures, emergency shutdowns, or under CERCLA section 103(f)(2). Unanticipated events are inition, are not continuous or anticipated, and are not red stable in quantity and rate.
2. Provide a brief statement describing the basis If malfunction, describe the malfunction and e continuous and stable in quantity and rate give	for stating that the release is continuous and stable in quantity and rate. explain why the release from the malfunction should be considered en the <b>note</b> above.
the combustion air combine to form NOx. Prior to b large catalyst where the NOx reacts with the catalyst	present naturally in the coal, and the nitrogen and oxygen present in eing released to the atmosphere, the exhaust gas is passed through a tand anhydrous ammonia and is converted to nitrogen and water. and 90 percent of the NOx that is in the exhaust gas of a coal-fired
3. Identify below how you established the patter	n or release and calculated release estimates.
⊠ Release data	dures Engineering estimate Best Professional judgment
Other -	

	URCE FORMATION ntinued)	CR-ERNS Number: 626,033
lame of Source:	Coffeen Power Station - Unit 1	1 Stack
_	formation on the Source	י ד דידורו אינו אינו אינו אינו אינו אינו אינו אינ
or the source ident. ACH source.	ified above, provide the follow	ving information. Please provide a SEPARATE sheet for
FFECTED MEDI the release from this s	ource. If your source releases hazard treat the release to EACH medium a	edium (i.e., air, surface water, soil, or ground water) that is affected dous substances to more than one medium (e.g., a wastepile releasing as a separate source and complete Section II, Parts A, B, and C, of this
• AIR If the medi	um affected is air, please also specify	y whether the source is a stack or a ground-based area source.
⊠ Stack	Indicate stack height in feet or mete	
SURFACE WA  If the release affect  Surface Water Body	ATER ets any surface water body, give the	name of the water body.
	If the release affects a stream give	re the stream order or average flow rate, in cubic feet per second.
Stream	Stream Order	OR Average Flow Rate (cubic feet/second)
Lake	Surface area of lake (in acres)	Average depth of lake (in meters)
	If the release affects a lake, give th	he surface area of the lake in acres and the average depth in meters.
	OTIME VIATED	
~	OUND WATER or under ground, the location of pul	ablic water supply wells within two miles.
11 the release is 0.	ir or ander ground, the location of pur	nace cappy new main erro miles.
	Ontin	nal Information
associated with the co	ation is not required to comply with the regular ontinuous release. If this information is not p	that information attention will assist EPA in evaluating the risks provided, EPA will make conservative assumptions about the appropriate its. You may use other units; however, be certain that the units are clearly
For a stack release to	air, provide the following information, if avail-	lable:
Inside diameter (feet or me	deters) Gas Exit Velocity (ft or meters)	ters/sec) Gas Temp (degrees Fahrenheit, Kelvin, or Celsius)
	e water, provide the following information, if	available:
Ave	rage velocity of surface water (feet/second)	i I

for the source identified above, provide the following information. Please provide a SEPAR ACH source.  FFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) the release from this source. If your source releases hazardous substances to more than one medium (e.g., a water air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A		626,033	umber: 626	CR-ERNS Nur		MATION		
### ACH source.  FFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) the release from this source. If your source releases hazardous substances to more than one medium (e.g., a water and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts Armat for EACH medium affected.  AIR If the medium affected is air, please also specify whether the source is a stack or a ground-based at Stack Indicate stack height in feet or meters  Stream If the release affects any surface water body, give the name of the water body.  Surface Water Body  If the release affects a stream, give the stream order or average flow rate, in cubic feet Stream Order  OR Average Flow Rate (cubic feet/second Average Flow Rate (cubic feet/second If the release affects a lake, give the surface area of the lake in acres and the average of the release is on or under ground, the location of public water supply wells within two miles.  **Optional Information**  The following information is not required to comply with the regulation, however, such information will assist EPA in evaluating the associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the values. Please note that the units specified below are suggested units. You may use other units, however, be certain that the units an identified.  For a stack release to air, provide the following information, if available:  Inside diameter (feet or meters)  Gas Exit Velocity (ft or meters/sec)  Gas Temp (degrees Fahrenheit, Kelvin, or moters/sec)  Gas Temp (degrees Fahrenheit, Kelvin, or moters/sec)	Wall Address of the Control of the C				Station - Unit 2 Stac	Coffeen Power Stati	rce:	ame of Source:
or the source identified above, provide the following information. Please provide a SEPAR ACH source.  FFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wair and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts Armat for EACH medium affected.  AIR If the medium affected is air, please also specify whether the source is a stack or a ground-based at Stack Indicate stack height in feet or meters  SURFACE WATER  If the release affects any surface water body, give the name of the water body.  Surface  Water Body  Stream Order OR Average Flow Rate (cubic feet/second DR Average Flow Rate (cubic feet/second Average Flow Rate (subic feet/second DR Average Ground DR								
SURFACE WATER  If the release affects any surface water body, give the name of the water body.  Surface Water Body  If the release affects a stream, give the stream order or average flow rate, in cubic feet Stream Order OR Average Flow Rate (cubic feet/second  Lake Surface area of lake (in acres) Average depth of lake (in meters)  If the release affects a lake, give the surface area of the lake in acres and the average of the release is on or under ground, the location of public water supply wells within two miles.  Optional Information  The following information is not required to comply with the regulation, however, such information will assist EPA in evaluating the values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units a identified.  For a stack release to air, provide the following information, if available:  Inside diameter (feet or meters)  Gas Exit Velocity (ft or meters/sec)  Gas Temp (degrees Fahrenheit, Kelvin, or	r) that is affected wastepile releasing	r ground water) that is aff dium (e.g., a wastepile re	vater, soil, or gro	i.e., air, surface wat	vironmental medium releases hazardous s	Identify the environ If your source releather release to EACH	MEDIUM. 1 om this source. I d water), treat the	ACH source. FFECTED ME the release from the air and ground wat
SURFACE WATER  If the release affects any surface water body, give the name of the water body.  Surface Water Body  If the release affects a stream, give the stream order or average flow rate, in cubic feet Stream Order  OR Average Flow Rate (cubic feet/second Average Flow Rate (cubic feet/second It the release affects a lake, give the surface area of the lake in acres and the average of the lake in acres and the average of the release is on or under ground, the location of public water supply wells within two miles.  Optional Information  The following information is not required to comply with the regulation, however, such information will assist EPA in evaluating the associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units a identified.  For a stack release to air, provide the following information, if available:  Inside diameter (feet or meters)  Gas Exit Velocity (ft or meters/sec)  Gas Temp (degrees Fabrenheit, Kelvin, or	rea source.	round-based area source	stack or a grour	er the source is a sta	ase also specify whe	fected is air, please a	the medium affe	• AIR If the n
SURFACE WATER  If the release affects any surface water body, give the name of the water body.  Surface Water Body  If the release affects a stream, give the stream order or average flow rate, in cubic feet Stream Order OR Average Flow Rate (cubic feet/second Lake Surface area of lake (in acres) Average depth of lake (in meters)  If the release affects a lake, give the surface area of the lake in acres and the average of the release is on or under ground, the location of public water supply wells within two miles.  Optional Information  The following information is not required to comply with the regulation, however, such information will assist EPA in evaluating the associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the values. Please note that the units specified below are suggested units. You may use other units, however, be certain that the units a identified.  For a stack release to air, provide the following information, if available:  Inside diameter (feet or meters)  Gas Exit Velocity (ft or meters/sec)  Gas Temp (degrees Fabrenheit, Kelvin, or			75 feet	575	feet or meters	stack height in feet of	k Indicate st	X Stack
Lake Surface area of lake (in acres)  If the release affects a lake, give the surface area of the lake in acres and the average of the release is on or under ground, the location of public water supply wells within two miles.  Optional Information  The following information is not required to comply with the regulation; however, such information will assist EPA in evaluating the associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are identified.  For a stack release to air, provide the following information, if available:  Inside diameter (feet or meters)  Gas Exit Velocity (ft or meters/sec)  Gas Temp (degrees Fahrenheit, Kelvin, or	et per second.	te, in cubic feet per secor	rage flow rate, is		_	ne release affects a st	If the	Stream
Lake Surface area of lake (in acres)  If the release affects a lake, give the surface area of the lake in acres and the average of the release is on or under ground, the location of public water supply wells within two miles.  Optional Information  The following information is not required to comply with the regulation; however, such information will assist EPA in evaluating the associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are identified.  For a stack release to air, provide the following information, if available:  Inside diameter (feet or meters)  Gas Exit Velocity (ft or meters/sec)  Gas Temp (degrees Fahrenheit, Kelvin, or					_		am	∐ Stream
SOIL OR GROUND WATER  If the release is on or under ground, the location of public water supply wells within two miles.  Optional Information  The following information is not required to comply with the regulation; however, such information will assist EPA in evaluating the associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units an identified.  For a stack release to air, provide the following information, if available:  Inside diameter (feet or meters)  Gas Exit Velocity (ft or meters/sec)  Gas Temp (degrees Fahrenheit, Kelvin, or	<u>'</u>						<del>.</del>	
SOIL OR GROUND WATER  If the release is on or under ground, the location of public water supply wells within two miles.  Optional Information  The following information is not required to comply with the regulation; however, such information will assist EPA in evaluating the associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units at identified.  For a stack release to air, provide the following information, if available:  Inside diameter (feet or meters)  Gas Exit Velocity (ft or meters/sec)  Gas Temp (degrees Fahrenheit, Kelvin, or			•					∐ Lake
The following information is not required to comply with the regulation; however, such information will assist EPA in evaluating the associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units at identified.  For a stack release to air, provide the following information, if available:  Inside diameter (feet or meters)  Gas Exit Velocity (ft or meters/sec)  Gas Temp (degrees Fahrenheit, Kelvin, or						ND WATER	OR GROUNI	•
The following information is not required to comply with the regulation; however, such information will assist EPA in evaluating the associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units at identified.  For a stack release to air, provide the following information, if available:  Inside diameter (feet or meters)  Gas Exit Velocity (ft or meters/sec)  Gas Temp (degrees Fahrenheit, Kelvin, or								
Inside diameter (feet or meters)  Gas Exit Velocity (ft or meters/sec)  Gas Temp (degrees Fahrenheit, Kelvin, or	ie appropriate	nptions about the appropriate	ervative assumptio	vever, such information v , EPA will make conserv	ply with the regulation; he formation is not provide vare suggested units. You	as release. If this informa anits specified below are s	with the continuous rease note that the uni	associated with the values. Please no identified.
	or Celsius)	hrenheit, Kelvin, or Celsius)	np (degrees Fahrenh	Gas Temp				
	-	,,		<u> </u>				
Average velocity of surface water (feet/second)						-	· ·	

SECTION II: SOURCE INFORMATION (continued)	E INFORMA'	Z			CR-ERNS Number:	I	626,033	
Part C: Identity and Quantity of Each Hazardous Please provide a SEPARATE sheet for EACH source.	antity of Each I TE sheet for EAC		stance or Mixtu	Substance or Mixture Released From Each Source	n Each Sourc	શ		
Name of Source:	Coffeen Power Station - Unit 1	ion - Unit 1						4.00
ist each hazardous substance released from the source identified above and provide the following information.	e released from the	source identified	above and provid	e the following infort		units where appropri	Include units where appropriate. Radionuclides in curies (C3)	(cs (Ci).
Name of Hazardous Substance	E CASRN#	Norr (in Ibs., kg Upper Bound	Normal Range (in Ibs., kg, or Ci per day) r Bound Lower Bound	Number of Days Release Occurs d (per year)		Total Quantity Released in Previous Year (in lbs., kg. or Ci)	Period of the <u>Release</u>	the
Ammonia	7664-41-7	39 lbs.	O O O O O O O O O O O O O O O O O O O	314	9,350 lbs.		Jan - Dec	Antomorphy Company Company
Hydrochloric Acid	7647-01-0	8.9 lbs.	0	314	782 lbs.		Jan - Dec	
Hydrogen Flouride	7661-39-3	13 lbs.	0	314	3,092 lbs.		Jan - Dec	Y) di serie
Sulfuric Acid	7664-93-9	30 lbs.	0	314	7,087 lbs.		Jan - Dec	ALL STREET, CO.
List each mixture released from the source identified above and provide the following information.	m the source iden	tified above and p	rovide the followin		ude units where appr	Include units where appropriate. Radionuclides in curies (Ci).	les in curies (Ci).	*
Name of Hazardons	fazardons		Normal Range of Components (in lbs., kg. or Ci per da	Normal Range of OR Normal Range of Components Mixture (in lbs., kg. or Ci per day) (in lbs., kg. or Ci per day)		Number of Days	Total Quantity of Mixture Released	Period of
Name of Mixture Components	ance CASRN#	Weight N# Percentage	Upper Ld Bound Bo	Lower Upper Bound Bound		Release Occurs (per year)	in Previous Year (in lbs., kg or Ci)	the <u>Release</u>
None	TO THE PARTY OF TH	TO THE PROPERTY OF THE PROPERT		Annual control of the				edigi ilika muqo muun muqo
	And the state of t			enconnection (in the control of the	***************************************			hatheeteeppe
		A CONTRACTOR OF THE CONTRACTOR			WATER STATE OF THE			-
							Page 6	h of

SECTION II: SOURCE INFORMATION (continued)	INFORMATI d)	Z			CR-ER	CR-ERNS Number:	626,033	A STATE OF THE STA
Part C: Identity and Quantity of Each Hazardous Please provide a SEPARATE sheet for EACH source.	tity of Each Ha		stance or Mixt	Substance or Mixture Released From Each Source	om Each So	urce		approx.
Name of Source: Co	Coffeen Power Station - Unit 2	- Unit 2		1100				
List each hazardous substance released from the source identified above and provide the following information.	eleased from the so	urce identified	above and provid	e the following info		lude units where appropri	Include units where appropriate. Radionuclides in curies (Ci).	es (Ci).
Name of Hazardous Substance	CASRN#	Norn (in lbs., kg Upper Bound	Normal Range bs., kg, or Ci per day)	Number of Days Release Occurs id (per year)		Total Quantity Released in Previous Year (in lbs., kg. or Ci)	Period of the <u>Release</u>	the
Ammonia	7664-41-7	68 lbs.	0	313	16,40	16,404 lbs.	Jan - Dec	
Hydrochloric Acid	7647-01-0	5.6 lbs.	0	313	1,371 lbs.	lbs.	Jan - Dec	ACCOUNT OF THE PARTY OF THE PAR
Hydrogen Flouride	7661-39-3	22 lbs	0	313	5,423 lbs.	lbs.	Jan - Dec	And the second of the second o
Sulfuric Acid	7664-93-9	51 lbs.	0	313	12,433 lbs.	3 lbs.	Jan - Dec	
						1.0.00		
List each mixture released from the source identified above	the source identifi	ed above and p	and provide the following information.		ıclude units where	Include units where appropriate. Radionuclides in curies (CI).	les in curies (Ci).	
Nan		Weight	Normal Range of Components in lbs., kg, or Ci per d Upper Low	OR (in cr C	Normal Range of Mixture lbs., kg, or Ci per day) pper Lower Round	Number of Days Release Occurs	Total Quantity of Mixture Released in Previous Year (in lbs., kg or Ci)	Period of the Release
None OI Mixture Components	Shis CASKN#	recentage	<u> </u>	1				
								And the state of t
THE REAL PROPERTY OF THE PROPE	THE OLD TO THE OLD THE OLD THE OLD TO THE OLD THE O							
		0/10/8600mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm	WZZGANOSOWA WARANIA WA				Page	1 to /

Form Approved OMB No. 2050-0086 Expiration Date: 11-30-2018

CTION III: SUBSTANCE INFORMATION	٧	CR-ERNS Number:	626,033
lculation of the SSI Trigger r EACH hazardous substance con r releasing sources and their uppe bstance.	nponent of a i r bounds. Ple	mixture indicated in Section . case use a SEPARATE sheet	II, Part C, list the names of for EACH hazardous
ume of Hazardous Substance:	Ammonia, CASR	N # 7664-41-7	
To calculate the SSI trigger (i.e., the upper bove, aggregate the upper bounds of the re- section II, Part C. If the hazardous substated component as calculated in Section II, Par	normal range of t nce is also a com	he identified hazardous substance a aponent of a mixture, be certain to in	cross all sources identified in
Name of Source(s)		Upper Bound of the N the Release (specify l	
Coffeen Power Station - Unit 1	39	9 lbs/day	
Coffeen Power Station - Unit 2	68	8 lbs/day	
	ATTENDED TO SERVICE AND SERVIC		
	And the second s		
			yngyypt y gyr mae dan ac daith a ddi ddi ddi ddi ddi ddi ddi ddi ddi d
1			
	ADDROGRAM ASSESSMENT A		

\* This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

ECTION III: SUBSTANCE INFORMATIO	N	CR-ERNS Nu	mber:	626,033	
alculation of the SSI Trigger or EACH hazardous substance co e releasing sources and their upp abstance.	omponent of a n er bounds. Plea	nixture indicated in S ase use a SEPARATI	Section II E sheet fo	, Part C, lis or EACH h	et the names o azardous
ame of Hazardous Substance:	Sulfuric Acid, CAS	IRN # 7664-93-9			
To calculate the SSI trigger (i.e., the uppabove, aggregate the upper bounds of the Section II, Part C. If the hazardous subscomponent as calculated in Section II, Part C.	e normal range of the tance is also a comp	ne identified hazardous su ponent of a mixture, be ce	bstance acr	oss all source lude the uppe	s identified in r bound of the
Name of Source(s)		the Release			
Coffeen Power Station - Unit 1	30	lbs/day			y y gay y man makifer di Selektik (Miller di Miller di Miller di Antonia di A
Coffeen Power Station - Unit 2	51	lbs/day		emperature of the contemporary	
					. AMENICISALIMATERAL ALEJENAJO, VAN, INO IN ARROGIO SOS CONSTINUIDADOS
			ATT	e e e e e e e e e e e e e e e e e e e	COCCUSTON COCCUSTON AND ANALYSIS ANALYSIS AND ANALYSIS ANALYSIS AND ANALYSIS AND ANALYSIS AND ANALYSIS AND ANALYSIS AND AN
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			AND ASSOCIATION OF THE PROPERTY OF THE PROPERT	<u> </u>	
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\* This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

alculation of the SSI To or EACH hazardous su e releasing sources an bstance.	ubstance co	mponent of a n er bounds. Ple	nixture indica ase use a SEI	nted in Section I PARATE sheet j	I, Part C, list t for EACH haz	he names ardous
ame of Hazardous Su	bstance:	Hydrochloric Acid	d, CASRN # 7647	7-01-0		
To calculate the SSI trigger above, aggregate the upper Section II, Part C. If the has component as calculated in	bounds of the zardous subst	normal range of the ance is also a comp	ne identified haz ponent of a mixt	ardous substance ac ure, be certain to in	ross all sources is	dentified in
Name of So	ource(s)			per Bound of the No Release (specify lt		
Coffeen Power Station -	· Unit 1	3.3	3 lbs/day			
Coffeen Power Station -	· Unit 2	5.0	6 lbs/day		4.15.45.45.45.45.45.45.45.45.45.45.45.45.45	
1	A 100 - 100		0.0000 A 1000 A	entre de la companya	and the control of th	Deliverante de Maria, coppeta, que mêmbro distinuido de Distribución de Companyo de Companyo de Companyo de Co
						A DESCRIPTION OF THE PROPERTY
		And A delivery and the second		•		

\* This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

ECTION III: SUBSTANCE INFORMATION alculation of the SSI Trigger		CR-ERNS		626,033
r EACH hazardous substance co releasing sources and their uppostance.	omponent of a mix ver bounds. Pleas	xture indicated it e use a SEPARA	n Section I. ATE sheet f	I, Part C, list the names or EACH hazardous
me of Hazardous Substance:	CASNR #7661-39-3			
To calculate the SSI trigger (i.e., the upper bove, aggregate the upper bounds of the ection II, Part C. If the hazardous subsomponent as calculated in Section II, P.	e normal range of the stance is also a compor	identified hazardous nent of a mixture, be ion of the SSI trigge	substance ace certain to incr.	ross all sources identified in
Name of Source(s)				s., kg., or Ci)
Coffeen Power Station - Unit 1		lbs/day		
Coffeen Power Station - Unit 2	22 lb	s/day		
	·			
			·	
	Į.			

\* This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

SECTION I: GENERAL INFORMATION		CR-ERNS Number: 626033				
Date of In	itial Release: 10/14/2002	Date of Initial Call to NRC: 10/14/2002				
	Type of Report: Indicate below the type of report you are submitting.  First Anniversary Written Notification of a Change to Report Initial Notification Follow-up Report					
Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.  Michael Menne, VP of ESH  Name and Position						
12-	09-03 Date	Man Signature				
Part A. Fac	lity or Vessel Information					
	Name of Facility or Vessel  Coffeen Power Station					
Person in Charge of Facility or Vessel	Name of Person in Charge Jim Wi Position Plant Manager					
Facility Address or	Telephone No. (217) 534 - 7646  Street 134 CIPS Lane	Alternate Telephone No. (217) 534 - 7600  County Montgomery				
Vessel Port of Registration	City Coffeen	State IL Zip Code 62017				
Dun and Bra	dstreet Number for Facility 30	¢4138990				
Facility/Vess Location	Latitude Deg 39 Min Longitude Deg 089 Min S	63         Sec         31         Vessel LORAN Coordinates           24         Sec         11				
Part B. Population Information						
Population Density	The state of the s					
Sensitive Populations and	Sensitive Populations or Eco (e.g., schools, hospitals, wetlands, wild					
Ecosystems Within One Mile Radius	e					

<b>SECTION II:</b>	SOURCE
	<b>INFORMATION</b>

CR-ERNS Number: 626033

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Coff	Feen Power Station star	ck
. Indicate whether the release to continuous without interruption		ed, intermittent
. Identify the activity(ies) that If malfunction, describe the n continuous and stable in quant	results in the release from this source (e.g., bat nalfunction and explain why the release from thatity and rate.*	ch process, filling of a storage tank the malfunction should be considered
Power generation	- coal combustion	
<b>9</b>	91% bituminous	
	9% subbituminous	
3. Identify below how you esta	blished the pattern of release and calculated rel	
Past release data	Knowledge of the facility/vessel's operations and release history	Engineering estimate
AP-42	X Best professional judgment	Other (explain)

<sup>\*</sup> Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II: SOURCE CR-ERNS Number: 626033 INFORMATION (continued) Name of Source: Coffeen Power Station stack Part B: Specific Information on the Source For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary. AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected. AIR X (stack x or area \_\_\_\_) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source. If identified source is a stack, indicate stack height: 500 feet or meters: OR If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: \_\_\_\_\_ square feet or square meters. SURFACE WATER \_\_\_\_\_ (stream \_\_\_\_\_, lake \_\_\_\_\_, or other \_\_\_\_\_\_) If the release affects any surface water body, give the name of the water body. If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: \_\_\_\_ or average flow rate: \_\_\_\_ cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: \_\_\_\_ acres and average depth of lake: \_\_\_\_ meters. Ø SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well. **Optional Information** The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified. For a stack release to air, provide the following For a release to surface water, provide the

following information, if available:
Average Velocity \_\_\_\_\_\_ feet/second

of Surface Water

information, if available:

Gas Exit Velocity \_\_\_\_\_ feet/second or

Gas Temperature \_\_\_\_\_ degrees Fahrenheit,

feet or meters

meters/second

Kelvin, or Celsius

Inside diameter

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 626033

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Coffeen Power Station stack

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

	Months of the	Release	2	12	12
Total Quantity	Released in Previous Year	(in lbs. or kg)*	288,649,682	346,341	138'87
			365	365	345
Range	<pre>⊕ per day)*</pre>	Lower Bound	21,344 12,088	689	2935
Norma	(in lbs. ork	Upper Bound	21,344	1,218	5,184
		CASRN#	7647-01-0	7664-39-3	7664-93-9
		Name of Hazardous Substance CASRN #	Hydrochloric Acid	Hydrofluoric Acid	Sulfuric Acid

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

		Months	of the	Release
	Total Quantity of	1)	.—	(in lbs. or kg)
	Number of	Days Releas	Occurs	(per year)
Normal Range of	Mixture	(in lbs. or kg per day)*	Upper Lower	Bound Bound
Normal Range of	Components	(in lbs. or kg per day)*	5	Percentage Bound Bound
				CASRN# F
	Name of	Hazardous	Substance	Components
0				Name of Mixture

<sup>\*</sup> Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

CR-ERNS Number:

626033

### Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrochloric Acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Stack

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Gi)

21, 344

TOTAL - SSI trigger for this hazardous substance release\*: 21,344/bs

<sup>\*</sup> This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 626033

### Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrofluoric Acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)
Stack

Upper Bound of the Normal Range of the Release (specify lbs., kg. or Ci)

TOTAL - SSI trigger for this hazardous substance release\*: 1,218 /bs

<sup>\*</sup> This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

**CR-ERNS Number:** 

626033

### Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

5tack

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Gi)

5, 184

TOTAL - SSI trigger for this hazardous substance release\*: 5, 184 /bs

<sup>\*</sup> This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

SECTION I: GENERAL INFORMATION			CR-ERNS	Number:	626033	
Date of Ir	nitial Release:	10/14/2002		Date of Init	ial Call to N	NRC: 10/14/2002
Type of Report: Indicate below the type of report you are submitting.  First Anniversary Written Notification of a Change to Report Initial Notification Follow-up Report  Follow-up Report  Follow-up Report						
Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.  Michael L. Menne, V.P. Environmental, Safety & Health						
<u>20 De</u>	cember 200 Date		9.	Na Vall P	me and Position  Signature	n
Part A. Faci	llity or Vessel I	nformation				- 1 6 6 6 C
Name of Fac	Name of Facility or Vessel Coffeen Power Station				The second secon	
Person in Charge of Facility or Vessel	Position Plant	Charge Jim U Manager 1) 534-7646	Jil		elephone No. 💪	217) 534-7600
Facility Address or Vessel	Street 134 C1 F		***************************************		T	tgomery
Port of Registration	City Coffeer	7		-	State IL	Zip Code 62017
Dun and Bra	dstreet Number	for Facility	ይራሪ	1138990		
Facility/Vess Location		Deg <u>39</u> Min Deg <u>089</u> Min		)3 Sec <u>31</u> 24 Sec <u>11</u>	_ Vessel	LORAN Coordinates
Part B. Pop	ulation Inform	nation				epublication on the composition and the state of the last and the composition of the comp
Population Density	Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).  0 - 50 persons 101 - 500 persons more than 1000 persons 51 - 100 persons 501 - 1000 persons					
Sensitive Populations and Ecosystems Within One Mile Radius		ve Populations or Eo pitals, wetlands, wi				d direction from facility

SECTION II:	SOURCE
	<b>INFORMATION</b>

to be considered stable in quantity and rate.

CR-ERNS Number: 626033

# Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Coffeen Power Station Stack
Indicate whether the release from this source is either:  continuous without interruption OR routine, anticipated, intermittent
2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*  Tower Generation - Coal combustion 9670 Bituminous 470 Subbituminous
3. Identify below how you established the pattern of release and calculated release estimates.
X Past release data X Knowledge of the facility/vessel's X Engineering estimate operations and release history
AP-42 Best professional judgment Other (explain)
* Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents,

do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular

SECTION II: SOURCE CR-ERNS Number: 626033 INFORMATION (continued) Name of Source: Coffeen Power Station Stack Part B: Specific Information on the Source For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary. AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected. AIR X (stack X or area ) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source. If identified source is a stack, indicate stack height: 500 feet or meters: OR If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: \_\_\_\_\_ square feet or square meters. If the release affects any surface water body, give the name of the water body. If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: \_\_\_\_ or average flow rate: \_\_\_ cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: \_\_\_\_ acres and average depth of lake: \_\_\_\_ meters.  $\oslash$  SOIL OR GROUND WATER  $\_\_$ If the release is on or under ground, indicate the distance to the closest water well. **Optional Information** The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified. For a stack release to air, provide the following For a release to surface water, provide the information, if available: following information, if available: Average Velocity \_\_\_\_\_ feet/second Inside diameter \_\_\_\_\_ feet or meters

Gas Exit Velocity feet/second or

Gas Temperature \_\_\_\_\_ degrees Fahrenheit,

meters/second

Kelvin, or Celsius

of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number:

626033

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Coffeen Power Station Stack

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

	Months of the			2	2
Total Quantity	Released in Previous Year	(in lbs. or kg)*	3,294,729	187, 480	800, 208
Number of Days	Release Occurs	(per year)	N.S	36.5	94.EV
ıl Range	€g per day)*	Lower Bound	12088	12.18	2936
Norma	(in lbs. <del>or l</del>	Upper Bound	<u>7</u> %	8121	5184
		CASRN#	7647-01-0	7664-39-3	7664-93-9
		Name of Hazardous Substance	Hydrochloric Acid	Hydrofluoric Acid	Sulfuric Acid

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

	•	Months	of the	Release
() ()			٠	(in lbs. or kg)
	Number of	Days Releas	Occurs	(per year)
Normal Kange of	Mixture	(in lbs. or kg per day)*	Upper Lower	Bound Bound
Normal Kange of	Components	(in lbs. or kg per day)*	Weight Upper Lower	Percentage Bound Bound
	Name of	Hazardous	Substance	Components CASRN#
				Name of Mixture

<sup>\*</sup> Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

CR-ERNS Number:

626033

## Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrochloric Acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s) Stack

Upper Bound of the Normal Range of the Release (specify lbs., kg. or Ci)

2, 344

TOTAL - SSI trigger for this hazardous substance release\*: 21,344 | bs.

<sup>\*</sup> This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

**CR-ERNS Number:** 

626033

### Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrofluoric Acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Stack

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

TOTAL - SSI trigger for this hazardous substance release\*: 1, 218 165

<sup>\*</sup> This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

**CR-ERNS Number:** 

626033

## Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Stack

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

TOTAL - SSI trigger for this hazardous substance release\*: 5, 184 /bs.

<sup>\*</sup> This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.